

(d) wherein at least one of the at least one predetermined time offsets is adjustable while the video sequence is being displayed.

Claim 43 (new): The method of claim 42, wherein each of the at least one predetermined time offsets is an integer multiple of a time differential and the time differential is adjustable while the video sequence is being displayed.

Claim 44 (new): The method of claim 42, wherein selecting the first video window comprises positioning a cursor over the first video window.

Claim 45 (new): The method of claim 42, wherein selecting the first video window comprises activating a pointing device.

Claim 46 (new): The method of claim 42, wherein the first video window is larger than the other video windows and further comprising:

reducing the size of the first video window and making a second video window larger than the other video windows, when the second video window is selected.

Claim 47 (new): The method of claim 42, wherein the number of video windows and their spatial configuration on a display device are specified by a user prior to step (a).

Claim 48 (new): The method of claim 42, wherein the at least one predetermined time offset is specified by a user prior to step (a).

Claim 49 (new): The method of claim 42, further comprising:

moving at least a second video window to a different location relative to the other video windows, when the second video window is selected.

Claim 50 (new): The method of claim 42, further comprising:

marking the first video window to differentiate it from the other video windows.

Claim 51 (new): The method of claim 50, wherein marking the first video window to differentiate it from the other video windows comprises surrounding the first video window with a border.

Claim 52 (new): The method of claim 42, wherein step (b) comprises selecting at least two video windows simultaneously and step (c) comprises playing simultaneously the audio channel associated with each of the at least two selected video windows.

Claim 53 (new): A method for displaying a video sequence, comprising:

(a) displaying simultaneously the video sequence in each of at least two video windows, the video sequence being displayed with at least one predetermined time offset between at least two of the video windows, each video window having an associated audio channel;

(b) selecting a first video window;

(c) playing the audio channel associated with the first video window;

(d) storing a time index associated with the first video window and playing the audio channel associated with a second video window, upon selection of the second video window; and

(e) resuming display of the video sequence in the first video window beginning at the stored time index, resuming play of the audio channel associated with the first video window beginning at the stored time index, and resetting the at least one predetermined time offset relative to the stored time index, when the first video window is re-selected after the second video window has been selected.

Claim 54 (new): The method of claim 53, wherein the video sequence is paused in the first video window while the second video window is selected.

Claim 55 (new): The method of claim 54, wherein activation of a first control element pauses the video sequence in the first video window and activation of a second control element causes step (e) to be performed.

Claim 56 (new): The method of claim 55, wherein the first and second control elements are the same.

Claim 57 (new): A system for displaying a video sequence, comprising:

a display device to display the video sequence in each of at least two video windows, the video sequence being displayed with at least one predetermined time offset between at least two of the video windows, each video window having an associated audio channel;

a first memory to store the video sequence in a digitized form, the digitized

form comprising digital video data;

a second memory organized such that each address in the second memory corresponds to a unique pixel location on the display device;

a video interface circuit connected between the second memory and the display device to convert digital video data to a format compatible with the display device;

a video processor configured to control the transfer of digital video data from the first memory to the second memory such that the at least one predetermined time offset between the at least two video windows is maintained as the video sequence is displayed;

a user interface configured to select at least one of the video windows;

an audio sub-system configured to play the audio channel associated with each of the at least one selected video windows; and

wherein the user interface is further configured to adjust at least one of the at least one predetermined time offsets while the video sequence is being displayed.

Claim 58 (new): The system for displaying a video sequence of claim 57, further comprising:

a codec to convert the digital video sequence from a compressed to an uncompressed format.

Claim 59 (new): The system for displaying a video sequence of claim 57, wherein the first memory is organized as a plurality of FIFO buffers, each FIFO buffer receiving at least one portion of the video sequence corresponding to a unique one of the at least two video windows.

Claim 60 (new): The system for displaying a video sequence of claim 57, wherein the first memory is organized as a single FIFO buffer having a first section to store an oldest portion of the video sequence and a second section to store a newest portion of the video sequence, the first section being large enough to span all of the at least one predetermined time offsets associated with the at least two video windows.

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Claim 61 (new): The system for displaying a video sequence of claim 57, further comprising:  
at least one set of virtual control elements on the display device, each set of virtual control elements controlling the displaying of the video sequence within a corresponding video window.

Claim 62 (new): The system for displaying a video sequence of claim 61, wherein each set of virtual control elements comprises "play," "pause," "stop," "search forward," and "search backward."

Claim 63 (new): A system for displaying a video sequence, comprising:  
display means for displaying the video sequence in each of at least two video windows, the video sequence being displayed with at least one predetermined time offset between at least two of the video windows, each video window having an associated audio channel;  
first memory means for storing the video sequence in a digitized form, the digitized form comprising digital video data;  
second memory means for storing digital video data organized such that each address in the second memory means corresponds to a unique pixel location corresponding to the display means;

means for converting digital video data stored in the second memory means to a format compatible with the display means;

means for controlling the transfer of digital video data from the first memory means to the second memory means such that the at least one predetermined time offset between the at least two video windows is maintained as the video sequence is displayed;

means for selecting at least one of the video windows;

means for playing the audio channel associated with each of the at least one selected video windows; and

means for adjusting at least one of the at least one predetermined time offsets while the video sequence is being displayed.

Claim 64 (new): The system for displaying a video sequence of claim 63, further comprising:

means for converting the digital video sequence from a compressed to an uncompressed format.